

**Combined Declaration for Patent Application and Power of Attorney**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

CORRELATION METHOD FOR CHANNEL ESTIMATION FOR OFDM

the specification of which (check one)

- [] is attached hereto;
[] was filed in the United States under 35 U.S.C. § 111 on _____, as
U.S. Appln. No. _____*; or
[X] was/will be filed in the U.S. under 35 U.S.C. § 371 by entry into the U.S. national stage of an international
(PCT) application, PCT/IB2003/0000235; filed January 15, 2003, entry requested on *; national stage
application received U.S. Appln. No. _____*; § 371/§ 102(e) date _____* (* if known)

and was amended on _____ (if applicable).

(include dates of amendments under PCT Art. 19 and 34 if PCT)

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above; and I acknowledge the duty to disclose to the Patent and Trademark Office (PTO) all information known by me to be material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §§ 119 (a)-(d) and 365 (b) of any prior foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or under § 365(a) of any PCT application which designated at least one country other than the U.S., listed below:

Application No.	Country	Filing Date (MM/DD/YYYY)
_____	_____	_____
_____	_____	_____

If I claimed foreign priority above, I hereby identify below any foreign application for patent (including an international (PCT) application designating a country other than the United States) or for an inventor's or plant breeder's certificate, having a filing date before that of the earliest application from which foreign priority is claimed (if left blank, then there are none):

Non-Priority Application No.	Country	Filing Date (MM/DD/YYYY)
_____	_____	_____
_____	_____	_____

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional applications listed below:

Application No.	Filing Date (MM/DD/YYYY)
_____	_____
_____	_____

I hereby claim the benefit under 35 U.S.C. § 120 of any prior U.S. non-provisional application(s) or under § 365(c) of any prior PCT international application(s) designating the U.S., listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in such U.S. or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the PTO all information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Filing Date (MM/DD/YYYY)	Status (patented, pending, abandoned)
_____	_____	_____
_____	_____	_____

As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

All of the practitioners associated with Customer Number 001444

Direct all correspondence to the address associated with Customer Number 001444, which is presently:

BROWDY AND NEIMARK, P.L.L.C.
624 Ninth Street, N.W.
Washington, D.C. 20001-5303
(202) 628-5197

Title: CORRELATION METHOD FOR CHANNEL ESTIMATION FOR OFDM

U.S. Application filed _____, Serial No. _____

PCT Application filed _____, Serial No. _____

The undersigned hereby authorizes the U.S. Attorneys or Agents appointed herein to accept and follow instructions from SANTARELLI as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. Attorneys or Agents and the undersigned. In the event of a change of the persons from whom instructions may be taken, the U.S. Attorneys or Agents appointed herein will be so notified by the undersigned.

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST INVENTOR Stefan MUELLER-WEINFURTNER	INVENTOR'S SIGNATURE	DATE
RESIDENCE Nuernberg, Germany	CITIZENSHIP Germany	
POST OFFICE ADDRESS Goethestrasse 15, 90409 Nuernberg, Germany		
FULL NAME OF SECOND JOINT INVENTOR Peter SCHRAMM	INVENTOR'S SIGNATURE <i>Peter Schramm</i>	DATE 14-Aug-05
RESIDENCE Erlangen, Germany ECHING, GERMANY	CITIZENSHIP Germany	
POST OFFICE ADDRESS ROSSBERGERSTRASSE, 85386 ECHING Taublingstrasse 31, 91058 Erlangen, Germany		
FULL NAME OF THIRD JOINT INVENTOR Udo WACHSMANN	INVENTOR'S SIGNATURE	DATE
RESIDENCE Schwabach, Germany	CITIZENSHIP Germany	
POST OFFICE ADDRESS Breitenfeldstrasse 26, 91126 Schwabach, Germany		
FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE	CITIZENSHIP	
POST OFFICE ADDRESS		
FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE	CITIZENSHIP	
POST OFFICE ADDRESS		
FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE	CITIZENSHIP	
POST OFFICE ADDRESS		

ALL INVENTORS MUST REVIEW APPLICATION AND DECLARATION BEFORE SIGNING. ALL ALTERATIONS MUST BE INITIALED AND DATED BY ALL INVENTORS PRIOR TO EXECUTION. NO ALTERATIONS CAN BE MADE AFTER THE DECLARATION IS SIGNED. ALL PAGES OF DECLARATION MUST BE SEEN BY ALL INVENTORS.

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As a below-named inventor, I hereby declare that:

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Non-Priority Application No.	Country	Filing Date (MM/DD/YYYY)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional applications listed below:

Application No.	Filing Date (MM/DD/YYYY)

I hereby claim the benefit under 35 U.S.C. §120 of any prior U.S. non-provisional application(s) or under §365(c) of any prior PCT international application(s) designating the U.S., listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in such U.S. or PCT international application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the PTO all information which is material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

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I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST INVENTOR Stefan MUELLER-WEINFURTNER	INVENTOR'S SIGNATURE 	DATE 2. Aug. 2005
RESIDENCE Nuernberg, Germany	CITIZENSHIP Germany	
POST OFFICE ADDRESS Goethestrasse 15, 90409 Nuernberg, Germany		
FULL NAME OF SECOND JOINT INVENTOR Peter SCHRAMM	INVENTOR'S SIGNATURE	DATE
RESIDENCE Erlangen, Germany	CITIZENSHIP Germany	
POST OFFICE ADDRESS Taublingstrasse 31, 91058 Erlangen, Germany		
FULL NAME OF THIRD JOINT INVENTOR Udo WACHSMANN	INVENTOR'S SIGNATURE 	DATE 3. Aug. 2005
RESIDENCE Schwabach, Germany	CITIZENSHIP Germany	
POST OFFICE ADDRESS Breitenfeldstrasse 26 <u>Ricarda-Huch-Str. 8</u> 91126 Schwabach, Germany		
FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE	CITIZENSHIP	
POST OFFICE ADDRESS		
FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE	CITIZENSHIP	
POST OFFICE ADDRESS		
FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE	CITIZENSHIP	
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